Date:

Wednesday, 16/04/2008 3:53:34 PM

User: Julie Lecocq

Process Sheet

Customer

: CU-DAR001 Dart Helicopters Services

: 38643

Job Number : 10377 **Estimate Number**

P.O. Number

Prsht Rev.

First Issue

Written By

Previous Run

This Issue

: 16/04/2008

: NC

: //

: 38427

Type

: PURCHASED PARTS

Part Number

Drawing Name

: D2890

Drawing Number

: D2890 REV B

Project Number

: N/A **Drawing Revision** : B

Material

Due Date

: 10/06/2008

: AFT CROSSTUBE

Qty:

1 Um:

Each

Checked & Approved By

Comment

: Est.

05.03.21

S.O. No. :

Removed Bending procedures KJ/JLM

Total:

Additional Product

Job Number:



Seq. #:

Machine Or Operation:

Description:

1.0

D6008180

Crosstube Extrusion

Comment: Qty.: Pick:

Qty

Part#

Description

D6008-180 Crosstube extrusion

1.0000 Each(s)/Unit

1.0000 Each(s)

Batch

2.0

BENDING



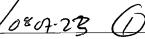
Comment: BENDING MACHINE

1-Bend D2890 as per Dwg D2890 and Folio FT002

QC6



DIMENSIONAL CHECK





3.0

Comment: DIMENSIONAL CHECK

4.0

SKIDTUBES

SKIDTUBESS RESOURCE 1



Comment: LANDING GEAR RESOURCE 1

1-Deburr and Polish

5.0

HAND FINISHING1

HAND FINISHING RESOURCE #



Chemical Conversion Coat as per QSI 005 4.1

Comment: HAND FINISHING RESOURCE #1

Dart Aerospace Ltd

		/ 							
W/O:			WC	ORK ORDER CHAN	IGES				
DATE	STEP	PRO	OCEDURE CHA	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	•	PAR #:	Fault Cate	gory:	NCR: Yes	No DQA	:	Date:	
					QA: N	I/C Closed	:	_ Date: _	
NCR:			WORK ORD	ER NON-CONFORM	VIANCE (NCF	R)			
DATE	STEP	Description of NC			ection B	Verifica	Verification A		Approval
DATE		Section A	Initial Chief Eng	Action Description Chief Eng	n Sign 8 Date		n C	Chief Eng	QC Inspector
		,				·			
									-

NOTE: Date & initial all entries

Date:

Wednesday, 16/04/2008 3:53:34 PM

User:

Julie Lecoca

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: AFT CROSSTUBE

Job Number: 38643

Part Number: D2890

Job Number:



Seq. #:

Machine Or Operation:

Description:

6.0

QC3

INSPECT POWDER COATION

Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION



7.0

PACKAGING 1

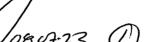
PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

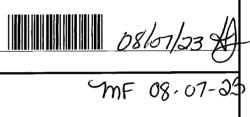
Location: 6 38487 (- 103)



8.0

QC21





Comment: FINAL INSPECTION/W/O RELEASE

Job Completion



Dart Aerospace Ltd

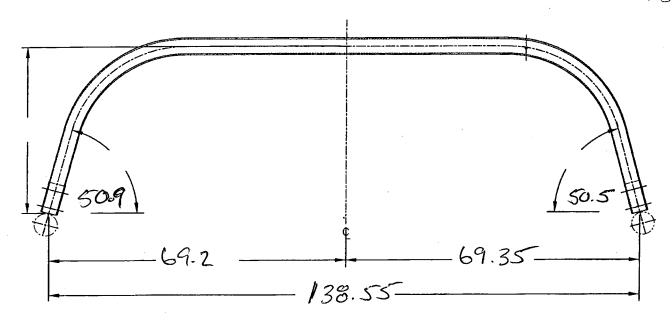
W/O:			WC	RK ORDER CHAN	GES					
DATE STEP		PRO	OCEDURE CHAI	NGE	By Dat			Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
			,							
Part No	:	PAR #:	Fault Cateç	jory:	NCR	: Yes I	No DQ	A:	Date:	
									Date:	
NCR:		\	WORK ORDE	R NON-CONFORM	IANCE	(NCR)			
DATE	STEP	Description of NC	Description of NC Corrective Action Section			Verification A		Approval	Approval	
DATE	SIEP	Section A	Initial Chief Eng	Action Description Chief Eng	1	Sign & Date	Secti		Chief Eng	QC Inspector
								!		
										:
1									1	

NOTE: Date & initial all entries

DART AEROSPACE LTD	Work Order:	38643
Description: Crosstube Aft	Part Number:	D2890
Inspection Dwg: D2890 Rev: B		Page 1 of 1

Required Dimension	Min	Max
Height	49.875	50.125
1/2 Span	/ 69.275	69.525
Angle	49	52
Total Span	138.55	139.05

69.35 65.7



Ç	omments
· · · · · · · · · · · · · · · · · · ·	
QC15 Inspection	1/080723

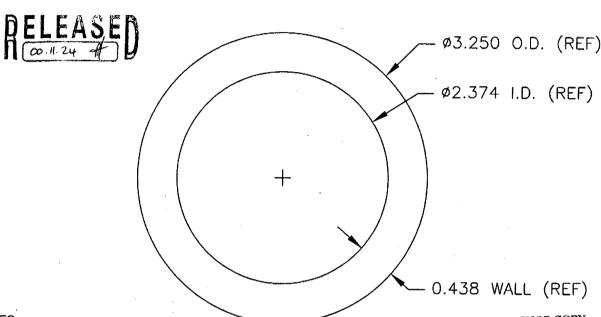
Rev	Date	Change	Revised by	Apprøved
Α	07.02.06	New Issue	KJ/JM 🚓	fr
	<u> </u>			





DESIGN (P	DRAWN BY	DART AEROSPACE L HAWKESBURY, ONTARIO, CANADA	TD
CHECKED	APPROVED	DRAWING NO.	REV. A
_ 9	911	D6008	SHEET 1 OF 1
DATE		TITLE	SCALE
00.11.17		CROSSTUBE MATERIAL	1:1
Α	00.11.17	NEW ISSUE	

SPECIFICATION CONTROL DRAWING



NOTES

1) D6008-XXX CROSSTUBE **LENGTH**

WHERE XXX IS LENGTH IN INCHES EG. 180" LONG TUBE: D6008-180 SHOP COPY RETURN TO

ENGINEERING UNCONTROLLED COPY

SUBJECT TO AMENDMENT WITHOUT NOTICE

2) MATERIAL: 3.250 OD x 0.438 WALL 7075-T6/T6511 (WW-T-700/7 OR QQ-A-225/9 OR QQ-A-200/11) SEAMLESS ALUMINUM TUBE.

MINIMUM ULTIMATE TENSILE STRENGTH = 77 ksi MINIMUM YIELD TENSILE STRENGTH = 66 ksi

3) TOLERANCES ARE PER ASTM B210 AS FOLLOWS:

O.D.: ± 0.008 MEAN (±0.016 INCLUDING OVALITY)

WALL: ±0.020 MEAN (±0.044 INCLUDING ECCENTRICITY)

LENGTH: XXX +0.125/-0.000 STRAIGHTNESS: 0.010" DEVIATION / 12" LENGTH 4) EXTREME CARE MUST BE TAKEN TO PROTECT THE OUTSIDE SURFACE OF THE TUBE. OUTSIDE SURFACE MUST BE SMOOTH AND FREE FROM SURFACE DEFECTS SUCH AS SCRATCHES, NICKS, OR DENTS. DEFECTS UP TO 0.005" MAY BE BLENDED OUT LONGITUDINALLY. CIRCUMFERENTIAL GRIND MARKS ARE UNACCEPTABLE.

5) CHEMICAL CONVERSION COAT PER DART QSI 005 4.1

Copyright © 2000 by DART AEROSPACE LTD

THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.

